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Michael Colagrosso, Wade Simmons, Marianne Graham

 October 2006 **Proceedings of the 4th international conference on Embedded networked sensor systems SenSys '06**

Publisher: ACM Press

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Jose A. Sepulveda, Luis Rabelo, Haluk Akin, Yanshen Zhu

 December 2006 **Proceedings of the 38th conference on Winter simulation WSC '06**

Publisher: Winter Simulation Conference

 Full text available: [pdf\(599.07 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The purpose of this paper is to discuss an object-oriented simulation framework/model for the US Navy that simulates the behavior of ships in a combat environment. This model provides a framework which helps to improve threat recognition, undersea tactical awareness, countermeasure emissions, and counter-weapon fire control to enable surface ships to survive a salvo of torpedo attacks. A Navy ship gathers information from all the sensors it carries and then fuses the information to make a judgment ...

3 [Demonstration papers: Data analysis tools for sensor-based science](#)



Stuart Ozer, Jim Gray, Alex Szalay, Andreas Terzis, Razvan Musaloiu-E, Katalin Szlavecz; Randal Burns, Josh Cogan

 October 2006 **Proceedings of the 4th international conference on Embedded networked sensor systems SenSys '06**

Publisher: ACM Press

 Full text available: [pdf\(306.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Science is increasingly driven by data collected automatically from arrays of inexpensive sensors. The collected data volumes require a different approach from the scientists' current Excel spreadsheet storage and analysis model. Spreadsheets work well for small data sets; but scientists want high level summaries of their data for various statistical analyses without sacrificing the ability to drill down to every bit of the raw data. This demonstration describes our prototype data analysis system ...